

Engineering Economy

Spring 2007

Syllabus

Instructor: K. Gita A.
Office hours: Tuesday 12:00 – 1:00 p.m. or by appointment only
Email: gita.ayu@gmail.com
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Phone: (6221) 567-2548

Classroom: J-511
Class Times: Wednesday 3:00 p.m. – 5:00 p.m.

COURSE READING MATERIALS

- ♦ **Reference Textbook:**
 - Blank, Leland T., Anthony J. Tarquin, *Engineering Economy*, 6th Edition, WCB/McGraw-Hill, 2004
- ♦ **Additional materials:**
 - Course slides, handouts, HBSP, and any other material posted at my homepage

COURSE ASSIGNMENTS

Discussion	30 %
Quizzes	20 %
Term Project	50 %

Students are *required* to read the scheduled topics or material prior to class, complete the assignments and exercises, and expected to participate in the discussion during the class. Students must observe professionalism in the classroom. Any usage of cell-phone is strictly prohibited during class period.

Quizzes quiz will be given if students failed to comply with any of the requirements stated in the syllabus. It is also possible to have a quiz if the need to check the level of understanding of the prerequisite required materials or previously discussed material arises. Quiz will not be cumulative. No make-up quizzes will be given under any circumstances. If you have to miss a quiz (for whatever reason), zero grade will be assigned for that quiz unless you have a doctor's documentation of illness.

Term Project Team projects are great opportunity to learn how to work effectively as a group and learn from each other in the group. The key success in team project is learning how to share responsibility and how to allocate work among team members based on individual's professionalism. There will be one group project due on the dead week. A group should consist of 3-4 members. Group members will be assigned by the instructor. An evaluation form for each of the group members will be given after the presentation. Submit the form individually or drop it off in my mail box to keep its confidentiality.

Re-Grade Policy If you believe that there has been an error in marking an exam, quiz, or project, you must bring it on to my attention no later than one week after a paper has been returned to the student. To turn in something for a re-grade, do not write on the originals; instead ask me personally the “Grade Groveling” form stating what you want re-graded and why. Turn this in with the original. In order to minimize superfluous re-grades, if it is found that no additional points should be given to you, five points will be deducted from that exam, quiz, or project.

Attendance/Participation In order to pass the course, student is required to have a minimum of 75 % in attendance. If student has less than 75 % attendances, student may not be allowed to follow the remaining sessions for the semester and/or the final exam. From past experiences, students who have a tendency to skip classes have lower performance level compared to those who always attend the class. Coming to class will save your time in preparing for the exams later on.

Classroom Conduct and Professionalism Students must observe professionalism in the classroom. The instructor reserves the rights to remove any student from the classroom for reasons such as working on other subjects, sleeping in class, involved in any informal chatter not related to the topics assigned. *Any usage of cell-phone is strictly prohibited during class period.* If student’s cell phone rings during the class period, **Rp 5,000.00** will be charged. All dues must be fully paid prior the end of the class session.

Academic Honesty All students should abide the Universitas Tarumanegara Honor Code of Conduct. Read the student handbook for more information. Cheating includes, but is not limited to:

- ◆ Using any materials, tools, or any form of notes except those specifically allowed on tests or quizzes;
- ◆ Copying directly from any source including friends, classmates, tutors, or a solution manuals;
- ◆ Allowing another person to copy your work;
- ◆ Signing another person’s name or having another person sign your name on an attendance sheet;
- ◆ Taking a test or quiz in someone else’s name;
- ◆ Having someone else take a test or quiz in your name;
- ◆ Asking for a re-grade of a paper that has been altered from its original form;
- ◆ Any communication regarding homework or projects with people that are not a member of your lab team is a violation of the honor code;
- ◆ Falsifying other’s work as your own work;
- ◆ Starting to write before the start of quiz or exam;
- ◆ Not stopping to write after time is up;
- ◆ Communicating with other student by any mean and/ or equipment;
- ◆ Having any unauthorized material and/ or equipment;
- ◆ Using dictionary;
- ◆ Borrowing and/ or lending any equipment from other student.

A student violating the honor code will receive a zero score for that particular exam, quiz, group assignment, or discussion.

TENTATIVE COURSE OUTLINE

Session	Lecturer Topic	Reading Materials	Classroom Activities
8/15/07	Basic, Concepts, Terms, and Graphics	Chapter 1	Discussion
8/22/07	Factors and Their Use in Multiple Factors	Chapter 2	Discussion
8/29/07	Interest Rates	Chapter 3	Discussion
9/05/07	Multiple Factors	Chapter 4	Discussion
9/12/07	Present-Worth and Capitalized-Cost Evaluation	Chapter 5	Discussion
9/19/07	Equivalent-Uniform-Annual-Worth Evaluation	Chapter 6	Discussion
9/26/07	ROR	Chapter 7	Discussion
10/24/07	ROR (Cont'd)	Chapter 8	Discussion
10/31/07	ROR (Cont'd)	Chapter 9	Discussion
11/07/07	Benefit/Cost Ratio Evaluation	Chapter 16 and 19	Discussion
11/14/07	Depreciation and Depletion Models	Chapter 13	Discussion
11/21/07	Depreciation and Depletion Models (cont'd)	Chapter 13	Discussion
11/28/07	Basic of Taxes	Chapter 14	Discussion
12/05/07	Replacement Analysis	Chapter 10	Discussion

Remark:

Schedules are subject to change.

Instructor reserves the right to change the course policy listed in the syllabus throughout the semester.